

AMENDMENTS TO THE SPECIFICATION:

Please amend the specification as follows:

On page 1, after the title and before line 1, please add the following paragraph:

This application is a national stage filing under 35 U.S.C. § 371 of International Application No. PCT/SE2004/000675, filed on May 4, 2004.

On page 1, amend the paragraph beginning at line 2 as follows:

The invention relates generally to a patient chair with a vertically movable seat ~~according to the preamble to claim 1.~~

On page 1, amend the paragraph beginning at line 13 as follows:

A large number of patient chairs which more or less satisfy this requirement are available on the market and are described in the patent literature. Thus, patient chairs are known, which only allow ~~said~~ the above described movement in a completely vertical direction. The drawback of these patient chairs is that it is difficult for the carer to take off/put on the patient's trousers, skirt, pants, napkin etc. or take sanitary measures as regards the patient's genitals if the patient is sitting on the patient chair. Other ~~prior-art~~ conventional patient chairs allow backward inclination of the seat and back unit and, thus, of the patient, in the course of the movement from the lower to the upper position, which makes it easy to reach the patient's lower garments and genitals. The latter patient chair constructions, however, are complicated and thus expensive to manufacture. For example, they may frequently ~~comprising~~ comprise different hinge and link systems, and different motors, to perform a vertical movement of the seat and

back unit as well as a tilting movement of this unit to provide a backward inclination of the patient in the upper position, relative to the position of the patient in the lower position, where the patient is sitting "normal" or "straight" on the patient chair.

On page 2, amend the paragraph beginning at line 4 as follows:

An object of the invention is to provide a patient chair which is simple in terms of construction, and thus, can be manufactured at low cost, ~~said~~ The patient chair ~~allowing~~ may allow movement of its seat, and possibly also its back, between upper and lower positions, ~~in which~~ wherein in the upper position the patient ~~is~~ may be inclined backwards.

On page 2, delete the paragraph beginning at line 11 as follows:

~~The object of the invention is achieved by a patient chair having the features in claim 1. Advantageous embodiments are defined in the dependent claims.~~

On page 2, amend the paragraph beginning at line 14 as follows:

According to ~~the inventive idea as defined in the claims,~~ the one embodiment of the present invention, a patient chair ~~has but~~ may have a simple chassis which allows movement of the seat between upper and lower positions, ~~during which~~ During movement, the seat, ~~[[--]]~~ and ~~thus~~ the patient sitting on it the seat, [[--]] may be automatically, is continuously, and gradually inclined; backwards in the movement to the upper position, and forwards in the movement to the lower position. There ~~is~~ may be no

noticeable change between the horizontal and the vertical ~~movement~~ movements. The ~~movement~~ movements can be made by manual power or by machinery.

On page 2, amend the title at line 24 as follows:

~~Embodiments, Brief Description of the~~ Drawings

On page 2, amend the paragraph beginning on line 25 as follows:

Embodiments of the invention will now be described with reference to the accompanying drawings, ~~in which, by way of example, illustrate several embodiments of~~ the invention.

On page 2, amend the paragraph beginning on line 27 as follows:

Fig. 1a illustrates a side view of ~~particularly the principle of the invention with a~~ first embodiment of the invention ~~in a side view~~;

On page 2, amend the paragraph beginning on line 30 as follows:

Fig. 1b illustrates a perspective view of the first embodiment ~~in a perspective view of the invention~~;

On page 2, amend the paragraph beginning on line 32 as follows:

Figs 2a and 2b illustrate, ~~in a side view, an~~ side views of another embodiment of the invention ~~which is essentially identical to the one in Figs 1a and 1b, but with~~ having a different driving device; and

On page 2, amend the paragraph beginning on line 35 as follows:

Fig. 3 shows ~~a second~~ another embodiment of the invention.

On page 2, insert the following title above line 36:

Detailed Description

On page 2, amend the paragraph beginning on line 36 as follows:

In Figs. 1a, b, the patient chair 1 ~~has~~ includes a chassis 2 with a frame 3 and a vertically arched stand 4. The stand 4 is may be connected to a unit 5 consisting of a seat of a chair and a back of a chair 6, 7 by means of a roller bearing arrangement 8 (see ~~in more detail~~ Figs. 2a, b), which is may be attached to the unit 5 and adapted to roll on the stand 4. To move the unit 5 on the stand 4, there is may be a drive unit, in this case a hydraulic cylinder assembly 9, the ends of which ~~are~~ may be articulated at suitable points on the chassis 2 and the roller bearing arrangement 8. It is indicated by the dashed lines in Fig. 1a that, ~~[[--]]~~ with the drive unit activated, ~~[[--]]~~ the unit 5 and, ~~thus,~~ the patient sitting on it ~~will~~ may be automatically, ~~be~~ continuously, and gradually inclined backwards when moving the unit 5 from a lower position LP to an upper position HP, and vice versa when moving it in the other direction. ~~To this end~~ Accordingly, the back 7 of the chair may preferably ~~has~~ have a curvature corresponding to the curvature of the stand 4.

On page 3, amend the paragraph beginning on line 17 as follows:

~~As is evident from the Figures — and obvious to a person skilled in the art — the~~
The chassis 2 is may be designed for stability, so that the patient chair 1 does not
overturn with the patient sitting in it and being moved up and down. The convexity of
the stand 4 ~~is here~~ may be directed forward, and the stand 4 is may be fixed to the rear
portion of the frame 3.

On page 3, amend the paragraph beginning on line 24 as follows:

~~It will also be obvious that said~~ should be understood that the upper and lower
positions HP, LP ~~are~~ may not be permanent, but can be selected, for instance, with
regard to a comfortable working posture of the carer (tall or short carer), ~~and/or with~~
~~regard to the patient's comfort (the patient enduring a more or less pronounced~~
~~backward/forward inclination), and~~ and/or with regard to the measure that is to be taken
on the patient.

On page 3, amend the paragraph beginning on line 31 as follows:

The roller bearing arrangement 8 is shown in more detail in Figs. 2a and 2b. The
hydraulic assembly 9 ~~is here not drawn~~ is shown in Fig. 2a.

On page 3, amend the paragraph beginning on line 34 as follows:

In Fig. 3, the stand 4 of the patient chair 1 is straight, and the back 7 of the unit 5
is arched. A roller bearing arrangement 8 is may be mounted on the stand 4 and the
back 7 of the patient chair 1 to guide the unit 5 in the arcuate path given by the
curvature of the back 7 and may be extended between upper and lower positions. A

drive unit, for instance a hydraulic cylinder assembly 9, mounted on the chassis 2 under the seat 6, is may be arranged to move the unit 5 between upper and lower positions.

On page 4, amend the paragraph beginning on line 6 as follows:

The chassis 1 may preferably ~~has~~ include wheels 10 on the frame 3, thus allowing the patient chair 1 to be wheeled. Armrests ~~are designated~~ 11 and pivotable footrests ~~are designated~~ 30 may also be included.

On page 4, amend the paragraph beginning on line 10 as follows:

~~A person skilled in the art realises~~ It is contemplated that the unit 5 can be moved on the stand 4 by many different driving devices. For instance, a winch may connect the unit 5 to the stand 4/~~the 4~~ or roller bearing 8, and is may be manually operated by a crank. It is also contemplated that ~~instead instead~~ of a roller bearing 8, ~~for instance a~~ gear arrangement can be used. Of course, ~~it is also possible to use~~ an electric motor may also be used. ~~A person skilled in the art is capable of applying~~ Thus, it should be apparent that any suitable arrangement, of which there are many, for relative movement of the unit 5 and the stand 4, by motor power or manually, may be used. In case of movement by motor power, (remote) control units can be used to stop, accelerate, and retard the movement.

On page 4, amend the paragraph beginning on line 23 as follows:

~~Nor is the~~ The shown upside-down U-shape of the stand 4 may not be necessary. For example, ~~The the~~ stand 4 may consist of a single upright if the chassis

2 is designed with corresponding stability, to support the patient. ~~Alternatively~~
Additionally or alternatively, the stand 4 may constitute the back 7 of the patient chair 1,
and only the seat 6 can be moved relative to ~~this~~ the back 7.

On page 4, amend the paragraph beginning on line 29 as follows:

The frame 2 ~~is~~ may be suitably designed so as to allow the patient chair 1 to be
pushed under a bed, or ~~round~~ around a toilet. For use with a toilet, the seat 6 may have
an opening 12.

On page 4, amend the paragraph beginning on line 33 as follows:

~~It goes without saying~~ Furthermore, the patient chair 1 can also be provided with
various usual leg rests, armrests and headrests, which can be adjustable.

On page 4, amend the paragraph beginning on line 36 as follows:

Figs. 2a and 2b show another embodiment of patient chair 1 ~~according to the~~
~~invention~~, provided with an advantageous calf rest structure 20. The advantage may
reside ~~resides~~ in the fact that the calf rest structure may take ~~takes~~ up a small space in
the inactive moved-away position (Fig. 2a), which ~~is~~ may be used, for instance, while a
patient is made to sit in the patient chair 1, when transporting or storing the patient chair
1 without a patient, or when transporting a patient in the patient chair 1 in narrow
spaces, such as, for example, lifts and narrow bathrooms/lavatories. The calf rest
structure 20 may comprise ~~comprises~~ a mounting arm 21, on which a plate-shaped calf
rest pad 22 ~~is~~ may be tiltably mounted by means of a transverse arm part 21a at one

end of the arm 21. The other end of the mounting arm 21 is may be articulated to the underside of the seat 6 by means of a hinge. The hinge may comprise ~~comprises~~ a sleeve 21b at ~~said~~ the other end of the mounting arm 21, in which a pin 24 may engage ~~engages~~, which is may be fixed to the underside of the seat 6, close to the front edge thereof, ~~close to~~ and the corner of the seat. The hinge 21b, ~~24 is~~ may be inclined on the seat underside in such a manner that the mounting arm 21 and the calf rest pad 22, when pivoting from the inactive position to the active position in Fig. 2b, may describe a part-circular sweeping motion in the course of which the calf rest pad 22 ~~will~~ may be moved behind the leg of a patient sitting in the patient chair 1. The carer may possibly have to first lift the leg somewhat. This pattern of movements for the calf rest 20 may facilitate ~~facilitates~~ the carer's work when the patient's leg is to be put on the pad 22, especially if the seat 6 is in the raised position. As ~~is evident from~~ shown in Fig. 2b, the calf rest pad 22 may extend ~~extends~~ in the active position straight away from the patient chair 1. The active and inactive positions are may be end positions, defined by a slot-lug connection in the sleeve 21b and the pin 24.

On page 5, please amend the paragraph beginning on line 32 as follows:

Moreover, Figs. 2a and 2b illustrate an electric motor winch 9 for the unit 5; The electric motor winch 9 may include a ~~the~~ motor M being fixed to the upper part of the stand 4. The motor M, and by means of a band 13, pulling and releasing may pull and release, respectively, the unit 5 for movement between the lower and upper positions.